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Model-based diagnostics, for a mechanical, chemical, electrical or electronic system, that treats system faults as noise in a communications channel

Patent Assignee: MOTORWIZ INC (MOTO-N)

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Number of Countries: 096 Number of Patents: 002

Patent Family:

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WO 200227418	A2	20020404	WO 2001US29935	A	20010925	200238 B
AU 200193056	A	20020408	AU 200193056	A	20010925	200252

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Patent Details:

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Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA
CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN
IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ
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AU 200193056 A G05B-023/02 Based on patent WO 200227418

Abstract (Basic): WO 200227418 A2

NOVELTY - The model treats system faults as noise in a communications channel. Parameters in the model are derived from the system's signals, causing the model to mimic the real system. System diagnosis can then be carried out by observing the model.

USE - For a mechanical, chemical, electrical or electronic system.

ADVANTAGE - Provides accurate diagnostics and prognostics without the need to take the system out of service.

DESCRIPTION OF DRAWING(S) - The figure illustrates the simplified block diagram for the model in accordance with the invention.

Shannon-Weaver model (10)

Information source (12)

Noise source (18)

Destination (22)

pp; 91 DwgNo 1/44

Title Terms: MODEL; BASED; DIAGNOSE; MECHANICAL; CHEMICAL; ELECTRIC;

ELECTRONIC; SYSTEM; TREAT; SYSTEM; FAULT; NOISE; COMMUNICATE; CHANNEL

Derwent Class: T06

International Patent Class (Main): G05B-023/02

File Segment: EPI

Manual Codes (EPI/S-X): T06-A07B; T06-A08

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